

United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection & Quarantine
4700 River Road
Riverdale, MD 20737

Permit to Move Live Plant Pests, Noxious Weeds, and Soil
Interstate Movement
Regulated by 7 CFR 330

This permit was generated electronically via the ePermits system

PERMITTEE NAME:	Dr. Maher Al Rwahnih	PERMIT NUMBER:	P526P-19-00232
ORGANIZATION:	Foundation Plant Services	APPLICATION NUMBER:	P526-181214-025
ADDRESS:	455 Hopkins Rd Davis, CA 95616	FACILITY NUMBER:	2628
MAILING ADDRESS:	455 Hopkins Rd Davis, CA 95616	HAND CARRY:	No
PHONE:	530-574-5463	DATE ISSUED:	01/22/2019
FAX:	530-752-2132	EXPIRES:	01/22/2022
DESTINATION:	455 Hopkins Rd, Davis, CA 95616		
RELEASE:	No		

Under the conditions specified, this permit authorizes the following:

<u>Regulated Article</u>	<u>Life Stage(s)</u>	<u>Intended Use</u>	<u>Shipment Origins</u>	<u>Originally Collected</u>	<u>Culture Designation</u>
American plum line pattern virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	APLPV
Apple Stayman blotch Virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Apple chat fruit agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Apple chlorotic leaf spot virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	ACLSV
Apple dimple fruit viroid	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	ADFVd
Apple false sting agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Apple flat limb agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	

Permit Number P526P-19-00232

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.



Osmond Baron


DATE

01/22/2019

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Apple flat limb phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Apple fruit crinkle viroid	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from AFCVd Foreign and Domestic Locations
Apple green crinkle viral agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Apple latent spherical virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from ALSV Foreign and Domestic Locations
Apple mosaic virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from ApMV Foreign and Domestic Locations
Apple proliferation phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Apple rough skin agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Apple rubbery wood agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Apple rubbery wood phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Apple russet ring viral agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Apple scaly bark viral agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Apple scar skin viroid	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from ASSVd Foreign and Domestic Locations
Apple stem grooving virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from ASGV Foreign and Domestic Locations
Apple stem pitting virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from ASPV Foreign and Domestic Locations
Apple twisted twig agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Apricot latent ringspot virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from ALRSV Foreign and Domestic Locations
Apricot latent virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from ApLV Foreign and Domestic Locations
Apricot ring pox viral agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations


Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p></p> <p>Osmond Baron</p>	<p>DATE</p> <p>01/22/2019</p>
---	--------------------------------------

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Arabid mosaic virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	ArMV
Arabid mosaic virus large satellite RNA	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	ArMV large satellite RNA
Arabid mosaic virus small satellite RNA	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	ArMV small satellite RNA
Artichoke Italian latent virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	AILV
Black locust witches' broom phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Black raspberry necrosis virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	BRNV
Black raspberry necrosis virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	BRNV
Black raspberry witches' broom phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Blackberry chlorotic ringspot virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	BCRV
Blackberry chlorotic ringspot virus	Any	Research - Lab	Continental U.S., Continental U.S.	Originally Collected from USA including territories	
Blackberry crinkle virus (tentative)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	
Blackberry virus E (tentative)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	BVE
Blackberry virus X (tentative)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	BVX
Blackberry virus Y	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	BVY
Blackberry yellow vein virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	BYVaV
Blueberry leaf mottle virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	BLMV
Blueberry mosaic virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	BIMaV
Blueberry necrotic ring blotch virus (tentative)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations	BNRBV


Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p></p> <p>Osmond Baron</p>	<p>DATE</p> <p>01/22/2019</p>
---	--------------------------------------

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Blueberry red ringspot virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from BRRV Foreign and Domestic Locations
Blueberry scorch virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from BScV Foreign and Domestic Locations
Blueberry shock virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from BShV Foreign and Domestic Locations
Blueberry shoestring virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from BBSSV Foreign and Domestic Locations
Candidatus Phytoplasma pruni	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Candidatus Phytoplasma pruni	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Candidatus Phytoplasma prunorum	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Candidatus Phytoplasma prunorum	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Cherry green ring mottle virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from CGRMV Foreign and Domestic Locations
Cherry leaf roll virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from CLRV Foreign and Domestic Locations
Cherry lethal yellows phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Cherry little leaf phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Cherry mottle leaf virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from CMLV Foreign and Domestic Locations
Cherry necrotic rusty mottle virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from CNRMV Foreign and Domestic Locations
Cherry rasp leaf virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from CRLV Foreign and Domestic Locations
Cherry rosette virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from CRV Foreign and Domestic Locations
Cherry rusty mottle agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Cherry virus A	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from CVA Foreign and Domestic Locations


Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p style="text-align: center;"> Osmond Baron</p>	<p>DATE</p> <p style="text-align: center;">01/22/2019</p>
--	--

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Chrysanthemum witches' broom phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Cucumber mosaic virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from CMV Foreign and Domestic Locations
Cucumber mosaic virus satellite RNA several types	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from CMV satellite RNA several types Foreign and Domestic Locations
European stone fruit yellows phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Ficus carica virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from FicCV Foreign and Domestic Locations
Fig badnavirus 1	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from FBaV-1 Foreign and Domestic Locations
Fig leaf chlorosis virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Fig mosaic virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from FMV Foreign and Domestic Locations
Fig virus S	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from FVS Foreign and Domestic Locations
Figwort mosaic virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from FMV Foreign and Domestic Locations
Grapevine Pinot gris virus (GPGV)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Grapevine Syrah virus-1 (GSyV-1)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Grapevine Tunisian ringspot virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GTRV Foreign and Domestic Locations
Grapevine Vein Feathering Virus (GVFV)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Grapevine asteroid mosaic-associated virus (tentative)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Grapevine deformation virus (GDefV)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Grapevine fanleaf virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Grapevine fleck virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations


Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p></p> <p>Osmond Baron</p>	<p>DATE</p> <p>01/22/2019</p>
---	--------------------------------------

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Grapevine leafroll disease (GLRaV Car)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Grapevine leafroll-associated virus 1	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GLRaV-1 Foreign and Domestic Locations
Grapevine leafroll-associated virus 10	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GLRaV-10 Foreign and Domestic Locations
Grapevine leafroll-associated virus 2	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GLRaV-2 Foreign and Domestic Locations
Grapevine leafroll-associated virus 3	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GLRaV-3 Foreign and Domestic Locations
Grapevine leafroll-associated virus 4	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GLRaV-4 Foreign and Domestic Locations
Grapevine leafroll-associated virus 5	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GLRaV-5 Foreign and Domestic Locations
Grapevine leafroll-associated virus 6	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GLRaV-6 Foreign and Domestic Locations
Grapevine leafroll-associated virus 7	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GLRaV-7 Foreign and Domestic Locations
Grapevine leafroll-associated virus 8	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GLRaV-8 Foreign and Domestic Locations
Grapevine leafroll-associated virus 9	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GLRaV-9 Foreign and Domestic Locations
Grapevine red blotch associated virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GRBaV Foreign and Domestic Locations
Grapevine red globe virus (GRGV)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Grapevine rootstock stem lesion associated virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GRSLaV Foreign and Domestic Locations
Grapevine rubus stunt phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Grapevine rupestris stem-pitting associated virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Grapevine rupestris vein feathering virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GRVfV Foreign and Domestic Locations
Grapevine vein clearing virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GVCV Foreign and Domestic Locations


Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p></p> <p>Osmond Baron</p>	<p>DATE</p> <p>01/22/2019</p>
---	--------------------------------------

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Grapevine virus A	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GVA Foreign and Domestic Locations
Grapevine virus B	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GVB Foreign and Domestic Locations
Grapevine virus D	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GVD Foreign and Domestic Locations
Grapevine virus E (tentative)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GVE Foreign and Domestic Locations
Grapevine virus F (GVF)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Grapevine yellow speckle viroid 1	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GYSVd-1 Foreign and Domestic Locations
Grapevine yellow speckle viroid 2	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from GYSVd-2 Foreign and Domestic Locations
Grapevine yellows phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Hop latent viroid	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from HLVD Foreign and Domestic Locations
Hop stunt viroid	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from HSVd Foreign and Domestic Locations
Impatiens necrotic spot virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Little cherry virus 1	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from LChV-1 Foreign and Domestic Locations
Little cherry virus 2	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from LChV-2 Foreign and Domestic Locations
Nectarine luteovirus	Any	Research - Lab	Continental U.S., Continental U.S.	Originally Collected from USA including territories
Nectarine virus M	Any	Research - Lab	Continental U.S., Continental U.S.	Originally Collected from USA including territories
Olive latent ringspot virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from OLRSV Foreign and Domestic Locations
Olive latent virus 1	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from OLV-1 Foreign and Domestic Locations
Olive latent virus 2	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from OLV-2 Foreign and Domestic Locations


Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p style="text-align: center;"> Osmond Baron</p>	<p>DATE</p> <p style="text-align: center;">01/22/2019</p>
--	--

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Olive leaf yellowing-associated virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from OLYaV Foreign and Domestic Locations
Peach Latent Mosaic Viroid	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from PLMVd Foreign and Domestic Locations
Peach mosaic virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from PcMV Foreign and Domestic Locations
Peach rosette mosaic virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from PRMV Foreign and Domestic Locations
Peach rosette phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Peach wart agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Peach yellow leaf roll phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Peach yellow leafroll phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Peach yellows phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Pear blister canker viroid	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from PBCVd Foreign and Domestic Locations
Pear decline Taiwan phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Pear decline phytoplasma (tentative)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Pear latent virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from PeLV Foreign and Domestic Locations
Pear rough bark agent (tentative)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Pear russet ring viral agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Pear stony pit viral agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Pear vein yellows virus (tentative)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from PYVY Foreign and Domestic Locations
Pecan bunch phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations


Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p></p> <p>Osmond Baron</p>	<p>DATE</p> <p>01/22/2019</p>
---	--------------------------------------

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Phytoplasma allocasuarinae (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma americanum (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma arantifolia (candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma asteris (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma aurantifolia Candidatus	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma australasia Candidatus	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma australiense Candidatus	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma brasiliense Candidatus	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma caricae (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma castaneae Candidatus	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma cocosnigeriae (candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma cocostanzaniae (candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma costaricanum (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma cynodontis (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma cynodontis (candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma fragariae (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma fraxini Candidatus	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma graminis (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations


Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p></p> <p>Osmond Baron</p>	<p>DATE</p> <p>01/22/2019</p>
---	--------------------------------------

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Phytoplasma japonicum (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma luffae (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma lycopersici (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma mali (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma omanensis (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma oryzae (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma palmae (candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma phoenicium (candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma phoenicium Candidatus	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma pini (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma pruni (candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma prunorum (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma pyri (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma rhamni (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma rubi (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma solani (candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma sp.	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma spartii (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations


Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p></p> <p>Osmond Baron</p>	<p>DATE</p> <p>01/22/2019</p>
---	--------------------------------------

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Phytoplasma spp. (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma sudamericanum (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma tamaricis (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma trifolii (Candidatus):	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma ulmi (Candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma vitis (candidatus)	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Phytoplasma ziziphi Candidatus	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Plum bark necrosis and stem pitting-associated virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from PBNSPaV Foreign and Domestic Locations
Prune dwarf virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from PDV Foreign and Domestic Locations
Prunus luteovirus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Prunus marafivirus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Prunus necrotic ringspot virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from PNRSV Foreign and Domestic Locations
Prunus virus S	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from PruVS Foreign and Domestic Locations
Prunus virus T (PrVT)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Rose mosaic virus complex	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Rose rosette virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from RRV Foreign and Domestic Locations
Rose tobamovirus (tentative)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Rose tobusvirus (tentative)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations


Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p></p> <p>Osmond Baron</p>	<p>DATE</p> <p>01/22/2019</p>
---	--------------------------------------

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Rose yellow leaf virus (RYLV)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Rose yellow mosaic virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from RoYMV Foreign and Domestic Locations
Rose yellow vein virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from RYVV Foreign and Domestic Locations
Strawberry crinkle virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SCV Foreign and Domestic Locations
Strawberry fleck virus virus (tentative)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SCFaV Foreign and Domestic Locations
Strawberry green petal phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Strawberry latent C virus (tentative)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SLCV Foreign and Domestic Locations
Strawberry latent ringspot virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SLRSV Foreign and Domestic Locations
Strawberry latent ringspot virus satellite RNA	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SLRSV satellite Foreign and Domestic Locations RNA
Strawberry mild yellow edge associated virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SMYEaV Foreign and Domestic Locations
Strawberry mild yellow edge virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SMYEV Foreign and Domestic Locations
Strawberry mottle virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SMoV Foreign and Domestic Locations
Strawberry multicipita phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Strawberry multiplier phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Strawberry necrotic shock virus (tentative)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SNSV Foreign and Domestic Locations
Strawberry pallidosis virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPaV Foreign and Domestic Locations
Strawberry pseudo mild yellow edge virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPMYEV Foreign and Domestic Locations
Strawberry vein banding virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SVBV Foreign and Domestic Locations


Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p></p> <p>Osmond Baron</p>	<p>DATE</p> <p>01/22/2019</p>
---	--------------------------------------

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Strawberry latent ringspot virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SLRSV Foreign and Domestic Locations
Sweet potato chlorotic fleck viral agent	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
Sweet potato chlorotic stunt virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPCSV Foreign and Domestic Locations
Sweet potato feathery mottle virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPFMV Foreign and Domestic Locations
Sweet potato latent virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPLV Foreign and Domestic Locations
Sweet potato leaf curl Georgia virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPLCGV Foreign and Domestic Locations
Sweet potato leaf curl virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPLCV Foreign and Domestic Locations
Sweet potato leaf speckling virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPLSV Foreign and Domestic Locations
Sweet potato mild mottle virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPMNV Foreign and Domestic Locations
Sweet potato mild speckling virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPMSV Foreign and Domestic Locations
Sweet potato sunken vein virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPSVV Foreign and Domestic Locations
Sweet potato vein mosaic virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPVMV Foreign and Domestic Locations
Sweet potato virus G	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPVG Foreign and Domestic Locations
Sweet potato virus Y (unclassified)	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPVY Foreign and Domestic Locations
Sweet potato yellow dwarf virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from SPYDV Foreign and Domestic Locations
Tobacco ringspot virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from TRSV Foreign and Domestic Locations
Tobacco ringspot virus satellite RNA	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from TRSV satellite Foreign and Domestic Locations RNA
Tobacco streak virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from TSV Foreign and Domestic Locations

Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p></p> <p>Osmond Baron</p>	<p>DATE</p> <p>01/22/2019</p>
---	--------------------------------------

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

Tomato black ring virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from TBRV Foreign and Domestic Locations
Tomato mosaic virus	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
Tomato ringspot virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from ToRSV Foreign and Domestic Locations
Tomato spotted wilt virus	Any	Research - PPDT/NCPN	Continental U.S., Continental U.S.	Originally Collected from Foreign and Domestic Locations
X-disease of chokecherry phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations
X-disease of peach phytoplasma	Any	Research - PPDT/NCPN	Continental U.S.	Originally Collected from Foreign and Domestic Locations

PERMIT GUIDANCE

- 1) This permit does not authorize movement or release into the environment of genetically engineered organisms produced with the regulated organisms described in this permit. Importation, interstate movement, and environmental release of genetically engineered plant pests require a different permit issued under regulations at 7 CFR part 340. Any unauthorized interstate movement or environmental release, including accidental release, of a regulated GE organism would be a violation of those regulations. Additional guidance and contact information for APHIS Biotechnology Regulatory Services, can be found at: <https://www.aphis.usda.gov/aphis/ourfocus/biotechnology>.
- 2) If an animal pathogen is identified in your shipment, to ensure appropriate safeguarding, please refer to http://www.aphis.usda.gov/import_export/animals/animal_import/animal_imports_an_products.shtml
- 3) If a human pathogen is identified, please refer to the CDC Etiologic Agent Import Permit Program at <http://www.cdc.gov/od/eaipp/>
- 4) This permit does not fulfill the requirements of other federal or state regulatory authorities. Please contact the appropriate agencies, such as the U.S. Environmental Protection Agency, the U.S. Fish and Wildlife Service, the U.S. Food and Drug Administration, the Centers for Disease Control and Prevention, the APHIS Veterinary Services unit, the APHIS Biotechnology Regulatory Services, or your State's Department of Agriculture to ensure proper permitting.
- 5) If you are considering renewal of this permit, an application should be submitted at least 90 days prior to the expiration date of this permit to ensure continued coverage. Permits requiring containment facilities may take a longer period of time to process.
- 6) When the regulated material includes Domestic soil
You must abide by all local quarantines see: http://www.aphis.usda.gov/planthealth/pests_and_diseases
Of special concern for movement of soil from certain continental areas are: IMPORTED FIRE ANTS:
<http://www.aphis.usda.gov/plant-health/i>

Permit Number P526P-19-00232

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING
PPQ HEADQUARTER OFFICIAL VIA EPERMITS.



Osmond Baron

DATE

01/22/2019


WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

[fa](http://www.aphis.usda.gov/planthealth/gna); GOLDEN NEMATODES: <http://www.aphis.usda.gov/planthealth/gna>; POTATO/PALE CYST NEMATODE: <http://www.aphis.usda.gov/planthealth/pcn>; PHYTOPHTHORA RAMORUM (Sudden Oak Death): <http://www.aphis.usda.gov/plant-health/sod>

PERMIT CONDITIONS

USDA-APHIS issues this permit to Maher Al Rwahnih of University of Foundation Plant Services in Davis, California. This permit authorizes receipt and possession of the quarantine material listed herein from various researchers of the Continental U.S. to California. This permit is for use in Research - PPDT/NCPN as positive controls at the designated APHIS inspected and approved facility (CF# 2628) listed in the permit; and is authorized under authority of 7 CFR319.37 and 7 CFR 330. The scope of this permit authorization includes propagation of any plant parts that are potentially infected / infested with plant pests; plant pest diagnostic activities, continued curation, maintenance, and use of derived cultures / organisms and infected plant material within the facility according to standard operating procedures incorporated by reference herein; and eventual release of clean plant material into the environment. SOPs are adequate.

1.
 - This permit is issued by the United States Department of Agriculture's Animal and Plant Health Inspection Service (APHIS). It conveys APHIS regulations and requirements for the material(s) listed on this permit. It does not reduce or eliminate your legal duty and responsibility to comply with all other applicable Federal and State regulatory requirements.
 - The permit number or a copy of the permit must accompany the shipment.
 - You must be an individual at least 18 years old, or legal entity such as partnership, corporation, association, or joint venture.
 - You are legally responsible for complying with all permit requirements and permit conditions.
 - If you violate any applicable laws associated with this permit, you may face substantial civil or criminal penalties. We may cancel all current permits and deny future permit applications.
 - Without prior notice and during reasonable hours, authorized Federal and State Regulators must be allowed to inspect the conditions associated with the regulated materials/organisms authorized under this permit.
2. The permit holder must:
 - maintain a valid PPQ526 permit so long as the regulated materials/organisms are alive or viable,

Permit Number P526P-19-00232	
THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.	DATE
 Osmond Baron	01/22/2019


WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

- not assign or transfer this permit to other persons without APHIS PPQ authorization,
- maintain an official permanent work assignment, residence, or affiliation at the address on this permit,
- notify the Pest Permit Staff as soon as possible of any change in the permit holder's work assignment, residence, or affiliation,
- notify the Pest Permit Staff of the receipt of unauthorized and/or misdirected shipments of regulated materials/organisms,
- adequately mitigate environmental impacts resulting from unauthorized release of regulated materials/organisms and notify the Pest Permit staff immediately if one occurs,
- notify the Pest Permit Staff if the facility is damaged/destroyed or if you wish to decommission the facility,
- destroy all regulated materials/organisms prior to departure from the organization unless other arrangements are confirmed by the Pest Permit Staff.

Notifications to the Pest Permit Staff must be made via 866-524-5421 or pest.permits@aphis.usda.gov within one business day of the event triggering a notification.

3. This permit does not authorize movement or use of plant pathogens listed in the Public Health Security and Bioterrorism Preparedness and Response Act of 2002. If any organism listed as a Select Agent is identified from materials associated with this research, the permit holder is required to notify APHIS, Agriculture Select Agent Services (AgSAS) immediately by phone at 301-851-3300 option 3, and within seven (7) days submit APHIS/CDC Form 4A (Report of Identification of a Select Agent or Toxin in a Clinical or Diagnostic Laboratory) to APHIS, AgSAS; 4700 River Rd, Unit 2, Riverdale, MD 20737 (see instructions at: https://www.selectagents.gov/resources/APHIS-CDC_Form_4_Guidance_Document.pdf). Failure to comply with this requirement is a violation of the Agricultural Bioterrorism Protection Act of 2002. Plant pathogen select agents currently listed include: *Peronosclerospora philippinensis* (*Peronosclerospora sacchari*), *Conothyrium glycines* (formerly *Phoma glycinicola* and *Pyrenochaeta glycines*), *Ralstonia solanacearum*, *Rathayibacter toxicus*, *Sclerophthora rayssiae*, *Synchytrium endobioticum*, and *Xanthomonas oryzae*.

Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p style="text-align: center;">  Osmond Baron </p>	<p>DATE</p> <p style="text-align: center;">01/22/2019</p>
---	--


WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

4. All persons working with the listed regulated materials/organisms must be informed of these permit conditions. Anyone working with these materials/organisms must agree to and sign/initial these conditions before beginning work. These signed conditions do not need to be submitted to USDA/APHIS but must be readily accessible and made available to Federal and State regulators upon request.

Note: these conditions may be copied and stored electronically for electronic signature and initialing provided that the permit number, authorized materials/organisms and life stages, release locations if applicable, and authorization statement all appear on the document with the permit number. Signing these conditions only indicates that the person working under this permit has read them; the permit holder is the sole responsible party under this permit.

5. Field-collected samples of infected plant material must be bare-root or washed free of soil prior to shipment to the permit holder.
Plant samples deliberately inoculated with these organisms in a controlled environment such as a laboratory, growth chamber, or greenhouse that have been grown in sterilized soil or soilless mix may be shipped to the permit holder with attached soil or growing media.
6. All packages for transport must minimally consist of both inner/primary and outer/secondary packages securely sealed so that both are effective barriers to escape or unauthorized dissemination of the listed materials/organisms. The inner/primary package(s) will contain all regulated materials/organisms and must be cushioned and sealed in such a way that it remains sealed during shock, impact, and pressure changes that may occur. The outer/secondary shipping container must be rigid and strong enough to withstand typical shipping conditions (dropping, stacking, impact from other freight, etc.) without opening.
7. Upon receipt of the regulated articles at the approved facility, the shipping container should be opened in a secure location as identified in the SOP for the said facility that does not vent into the outside environment. All primary containers must be chilled to a temperature between 1.3 to 3.4 C (35 to 38 F) for 4 hours prior to opening within the certified Biosafety Cabinet Class II, Type A within said facility.
8. Any indications of mobile plant pests shall require immediate action to safeguard or eliminate the pests sufficiently to prevent dissemination of mobile plant pests outside of the quarantine facility. Any pest findings and necessary reconditioning must be recorded for subsequent reporting. Quarantine and regulated non-quarantine pest detections must be reported to the appropriate personnel of the USDA APHIS PPQ State Plant Health Director's Office within two business days. Notify and seek assistance from the USDA APHIS PPQ State Plant Health Director's Office when unknown or unidentifiable pests are detected. Record all such encounters for subsequent reporting.

Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p style="text-align: center;">  Osmond Baron </p>	<p>DATE</p> <p style="text-align: center;">01/22/2019</p>
---	--

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

9. All plant material that has been inspected and determined to be visually free of plant pests must be transferred to appropriate media and conditions for subsequent plant growth, evaluation or testing within the quarantine facility, returned to cold storage in primary containers or other suitable containers in said facility, or destroyed.

While plants are maintained under this permit, access should be restricted to authorized personnel as approved by the permit holder. Re-export or transportation of plant materials out of quarantine facility is not authorized until released. All operations must be consistent with information submitted in association with above listed APHIS facility inspection number.

10. All research activities, plant inoculations and subsequent disease development must occur within the APHIS approved Containment Facility identified above that has been inspected and found adequate for containment of the organisms received under this permit. Access to this facility must be restricted to authorized personnel.

11. Propagation/Growing:

The regulated articles transported under this permit must be grown for a period of 30 days within an isolated area of quarantine facility, as identified on the SOP. This area shall be free of other plants to observe the imported plants for the presence of mobile pests. Should plant pests be observed, the plants must be treated accordingly to remove the pest presence prior to relocating into the standard growing area of facility.


During this interval all mobile plant pests collected / isolated must be identified. Pest identification services and treatment recommendations are provided or facilitated by the USDA APHIS PPQ State Plant Health Director's office. Appropriate pest mitigation measures to eliminate mobile plant pests must be implemented as soon as practicable to prevent dissemination.

Plant material free of mobile plant pests or potentially air borne pathogens may be transferred to a standard growing area after 30 days, as described in the SOP, that is appropriate for the plant material, and for containment of potential plant pests.

12. Plants under this permit must be periodically monitored for arthropod infestation and/or plant disease symptoms. During this interval all mobile plant pests collected / isolated must be identified. Pest identification services and treatment recommendations are provided or facilitated by the USDA/APHIS/PPQ State Plant Health Director's office. The pests identified shall be recorded and documented onto the annual report submitted to the PPQ Permit Unit. Plants must remain in the quarantine facility until target plant pests cannot be detected and mobile plant pests are treated to prevent pest dissemination; or destroyed by autoclaving, incineration, or chemical sterilization.

Measures to monitor for and control domestic mobile plant pests and/or disease vectors (e.g. black lights, yellow sticky boards, insecticides) must be in place in all areas of quarantine facility to minimize domestic mobile plant pest transmission of any plant pathogens. Treatments appropriate for any mobile pests that are identified on plant material must be applied in a timely fashion to

Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p style="text-align: center;">  Osmond Baron </p>	<p>DATE</p> <p style="text-align: center;">01/22/2019</p>
---	--

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

prevent pest dissemination. Treated plant material must be subsequently observed and evaluated until verified as mobilpest-free or destroyed.

13. All initial disease diagnostic procedures, isolations, and culture transfers must be made in the appropriate areas of quarantine facility that minimizes the potential for pest dissemination into the outside environment.

Plant inoculations and subsequent disease development using plant pests derived from regulated articles received under this permit, must occur in an approved area adequate for containment of these pests as identified in the SOP for quarantine facility.


No intentional vector transmission studies are allowed. For air borne pathogens the plants must be maintained in a facility that does not directly vent to the outside environment. Infected plant material maintained within these facilities must be located at a reasonable distance from clean plant material, soil supplies/potting media, any insectaries, and outside doors to prevent pest dissemination.

14. Greenhouses must be screened to minimize presence of insect vectors.
15. Standard Operating Procedures (SOPs) must be filed with, and approved by, the APHIS PPQ Pest Permit Staff at: email: pest.permits@aphis.usda.gov; phone: 866-524-5421; fax: 301-734-8700; address: 4700 River Road, Unit 133, Riverdale, MD 20737. All contact information must be kept current and the SOPs must be dated. If requirements in the permit conditions are more restrictive than the SOPs, permit conditions take precedence. APHIS PPQ must approve any changes to the SOPs before implementation.

A list of all persons with access to the containment facility must be maintained and available upon request by Federal or State Regulatory Officials.

16. Modifications to the containment facility or any changes that affect the containment of the regulated materials/organisms must be approved by APHIS prior to making changes. Please contact the Pest Permit Staff (email: pest.permits@aphis.usda.gov; phone: 866-524-5421; address: 4700 River Rd., Unit 133, Riverdale, MD 20737; Fax: 301-734-8700).
17. Records must be kept of all organisms maintained under this permit. Minimally the record will consist of the name of the organism identified to the lowest taxon possible, the country, or US state/territory, where each isolate was collected, and the date the isolate was received. These records must be made available to Federal and State regulators upon request.
18. When not working with the regulated materials/organisms, you must store and/or maintain them within the APHIS approved containment facility identified above. All stored regulated materials/organisms must be kept in a locked area with access limited to authorized personnel.

Permit Number P526P-19-00232

<p>THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.</p> <p style="text-align: center;">  Osmond Baron </p>	<p>DATE</p> <p style="text-align: center;">01/22/2019</p>
---	--

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

19. Pest-free Status for the Quarantine Material:

All germplasm to be released must be derived from the source plants that tested negative. Only germplasm testing negative for quarantine pests, regulated non-quarantine pests, and other exotic pests can be released into the environment outside of containment for the purpose of establishing mother blocks following approval by USDA/APHIS/PPQ.

For any legal or contractual reasons the plant pests are to be maintained for a long duration of time, Occasional reculturing may be done to ensure long term viability. All reculturing must be done within the quarantine facility.

20. DEVITALIZATION AND WASTE DISPOSAL

All regulated materials/organisms and all items coming in direct contact or exposed to the regulated materials/organisms must be sterilized/sanitized/decontaminated prior to removal from the authorized containment facility. This includes all items from shipping, culturing, care, and maintenance of these regulated materials/organisms. This requirement includes but is not necessarily limited to: packaging directly exposed to the regulated materials/organisms, substrates (culture media, soil, plant materials (food materials or host plants)), leftover/unused/unneeded live cultures, and dead specimens/cultures unless specified otherwise in the permit.

All waste materials must be treated by one of the follow methods prior to disposal:

Use any of the following, either alone or in combination: 1) autoclaved (see protocol below), 2) disposed of off-site by a facility holding a valid PPQ compliance agreement (organisms and/or contaminated waste must be stored in sealed containers prior to pick up by this company), 3) incinerated, 4) immersed in 5,250-6,000 PPM sodium hypochlorite solution (1 part fresh household bleach to 9 parts water) for at least 20 minutes, or 5) immersed in 70 percent alcohol for at least 30 minutes.

Treated waste will be double bagged prior to disposal.


Other sterilization methods are only allowed with prior written agreement from the USDA/APHIS PPQ Pest Permit Staff.

Any equipment, supplies, tools, secondary shipping containers, packing materials (e.g, ice packs), etc. must be sterilized/sanitized/decontaminated prior to reuse, disposal, or removal from containment.

If using an autoclave the following protocol must be used:

- a. Waste must be autoclaved at 121 Celsius (250 Fahrenheit) for a minimum of 30 minutes at 15 psi.
- b. Autoclave tape or other indicators must be placed on each load prior to treatment. The autoclave tape or other indicator on each container must be checked to verify color change before disposal.

Permit Number P526P-19-00232

THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.	DATE
 Osmond Baron	01/22/2019

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)

c. The autoclave must be calibrated according to the manufacturer's instructions annually and a commercially available biological indicator kit that uses bacterial spores of *Geobacillus stearothermophilus* that are rendered unviable at 121 Celsius (250 Fahrenheit) must be used every three months.


OR

The autoclave must be calibrated according to the manufacturer's instructions every two years and a commercially available biological indicator kit that uses bacterial spores of *Geobacillus stearothermophilus* that are rendered unviable at 121 Celsius (250 Fahrenheit) must be used every two weeks.

d. A written record of the calibration and the biological indicator tests must be maintained. You must follow the manufacturer's instructions for the *Geobacillus stearothermophilus* and if any growth is observed, you must have the autoclave serviced and retested before it is used again for the regulated articles/organisms listed on this permit.

21. As an alternative to the DEVITALIZATION AND WASTE DISPOSAL requirements listed above, devitalization/destruction of organisms and infected material may be conducted off site by a facility holding a valid PPQ compliance agreement prior to disposal. Vendor may or may not be in the same state. All organisms, contaminants and/or packaging materials must be in sealed containers during transport to this waste management facility in order to prevent any unauthorized dissemination of the regulated articles.
22. There is to be no further movement or distribution of the listed regulated materials/organisms within the United States and its territories unless the recipient holds, or is named as a responsible party on a valid PPQ526 permit for receipt of such materials/organisms.

END OF PERMIT CONDITIONS

Permit Number P526P-19-00232	
THIS PERMIT HAS BEEN APPROVED ELECTRONICALLY BY THE FOLLOWING PPQ HEADQUARTER OFFICIAL VIA EPERMITS.  Osmond Baron	DATE 01/22/2019

WARNING: Any alteration, forgery or unauthorized use of this Federal Form is subject to civil penalties of up to \$250,000 (7 U.S.C.s 7734(b)) or punishable by a fine of not more than \$10,000, or imprisonment of not more than 5 years, or both (18 U.S.C.s 1001)